

SCIENCE AND INDUSTRY.

A stone dwelling at Phoenixville, Pa., weighing five hundred tons has been moved 1,000 yards without injury.

A new device has been patented in London for generating electricity at so small a cost that it will be cheaper than gas.

A new kind of cloth is being made in Lyons from the down of hens, ducks and geese. Seven hundred and fifty grains of feathers make one square meter of a light and very warm waterproof cloth, which can be dyed in all shades.

The best use to which the electric light could be put is as a locomotive head-light. A successful experiment has been made in Chicago, the electricity being generated by a dynamo situated in front of the cylinder and worked from the cab. The light illumined the track for a third of a mile.—*Chicago Inter-Ocean.*

Paper lumber is the newest invention. It is made of the pulp of wheat, rye and oats straw and other vegetable fibers. They are combined with chemical ingredients, and produce an article that is said to compare favorably with the best wood. It is susceptible of the finest polish and will take any tint or color.—*Boston Post.*

In the course of a recent lecture in Baltimore on the subject of food and the markets in their relations to municipal hygiene, Dr. John S. Billings affirmed that fifty-three diphtheria epidemics, seven scarlet fever epidemics and twelve typhoid epidemics in England had been directly traced to the milk supply.—*Baltimore Sun.*

The fuel employed has a great influence on the color and quality of bricks. Some coals contain foreign substances, which produce gases unfavorable to the development and fixing of the natural red color of the brick, as well as to its quality. Sulphurous gases are especially dangerous. They unite with the free oxygen, which is retained in the bricks and form sulphates which not only spoil the color but destroy the durability of the brick under atmospheric changes. Another frequent result is that a white crust forms on the outside.—*Philadelphia Press.*

Dried apricots are likely to be a prominent article of export from California. Heretofore this fruit has been put up almost entirely in tin cans, but in consequence of over-production, the canning factories reduce the price paid to the farmer to such a figure that he was driven to experimenting with various processes of drying, and discovered a method that leaves the fruit in a delicious state. California fruit-growers are now going largely into apricot drying, but it is thought they never will produce more than the markets of the United States alone are prepared to consume.—*San Francisco Chronicle.*

One of the latest novelties in lamp shades is of cracked glass, which was the invention of a renegade named Ray. The peculiar cracked appearance is obtained by covering the surface of the sheet of glass with a thick coating of some coarse-grained flux or some more easily fusible glass, and then subjecting it to the action of a strong fire. As soon as the coating is fused and the table red hot, it is withdrawn and rapidly subjected to a cooling process, which at once separates the layer of flux from the underlying surface and leaves behind the evidence of its attachment to the same in irregular outlines, scales, crystal forms, etc.—*N. Y. Times.*

PITH AND POINT.

About thirty per cent. of the candy sold by the confectioners is white eat. People who "want the eat" should eat nothing but candy.—*Detroit Post.*

A young man writes to consult us about the best pattern of health life. We would suggest he help his mother a little with the coal hod.—*Burlington Free Press.*

Among the new toys are some wonderful singing dolls. They resemble prima donnas at a party in some respects. They must be pressed before they will sing.—*N. O. Picayune.*

A New York letter speaks of a "man who lost \$60,000 a minute." Candidly, if we were to lose \$60,000 a minute our fortune would be completely exhausted in less time than half a day. Much less.—*Norristown Herald.*

"How-de-do, dis mawin' Brudder Borem? I hearn dat de mare had yer up for lyving and stealing yesterday. Now, tell de tref, is yer giben to dem da habits?" "Yes, Brudder Gardener; I lie and steal both—I lie on de bed, and steal outen bad company."—*The Judge.*

The French Ambassador to the English Court paid a neat compliment a little while back to a Peeress who had been talking to him for an hour. The lady said: "You must think I am very fond of the sound of my own voice." The Frenchman replied: "I kn w you l ked music."

A man who had seen a good deal of quackery over the years, recently left this legal document for his friend to peruse: "This is the last will and testament of me, John Thomas. I leave all my things to be divided among my relatives. If anybody makes a fuss about anything he can't have nothing."—*Chicago Tribune.*

Fore light—Miss Edith (aged six): "Mamma, they say the Gibbes have come in a whole lot of money. Ella Stanford says they are real common and vulgar, but I think we had better be very nice to them, as there are two boys in the family about my age, and when I grow up something might come of it, you know."—*Exchange.*

"I'm thoroughly disgusted with every ody," said a cynical fellow. "What's wrong now?" asked a friend. "Oh, everying! Why, I don't look in any direction that I don't see a fool."—*Indeed?* Then why don't you throw the m rror out of your roo? I'd have some comfort, even if I didn't get to see myself for six months."—*Merchant Traveller.*

Uncle Ernest surprised Lilly wetting her fingers with brandy from a flask and smearing the face of a doll with it. "What are you doing there, little one?" said he. "My doll is pale, answered she. "I am giving it color." "But you can't impart color or that." "Ye, I can, for mamma told me it was brandy that made your nose red."—*Boston Globe.*

Calendar for 1884.

JANUARY.							JULY.						
S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30	31				

FEBRUARY.							AUGUST.						
S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30						29	30					

MARCH.							SEPTEMBER.						
S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30					

APRIL.							OCTOBER.						
S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30						29	30					

MAY.							NOVEMBER.						
S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30					

JUNE.							DECEMBER.						
S.	M.	T.	W.	T.	F.	S.	S.	M.	T.	W.	T.	F.	S.
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30					

HOME AND FARM.

Asches and gypsum have proved highly beneficial to potatoes in many sections.—*Chicago Tribune.*

An Eastern farmer recommends a mixture of barley and oats for young stock.

For Graham gems take one pint of sour milk, one beaten egg, one teaspoonful of soda, salt, and enough graham flour to make a batter. Bake in gem tins.—*Boston Globe.*

In setting out an orchard number the trees and keep a register of them. When one dies erase from the register and replace it with the name of the tree set in its place.—*Boston Transcript.*

If a cabbage that has failed to head is hung by a string from the top of the hen-house with its reach of fowls, it will be surprising to note how quickly it will be picked to pieces. By this method the cabbage is kept from the dirt.—*Detroit Post.*

Potatoes intended for seed should receive no rough handling at any time. If any are bruised, spread thinly in a dry, cool place until the surface has dried off. If put in large bins while the skin is bruised many of the eyes will have their vitality injured. This is the cause of many unexplained failures of the potato crop.—*Chicago Journal.*

Watering plants requires judgment. To saturate the earth in a pot by a daily soaking is a slow but sure way of killing a plant. The roots need air, which they can not get if they are surrounded by mud. It is better to allow the plant to flag a little than to over-water it. Carefully watch the plants, and only give water when they need it.—*The Householder.*

Black walnuts and butternuts will grow from the nuts the first year if they are properly treated. They should not be allowed to dry many days after gathering, be placed in heaps on dry ground, covered with sods and sufficient earth to prevent frequent freezing and thawing. Plant in rows early in spring, two inches deep. Train the young trees up to straight stems.—*N. Y. Post.*

Potato scallops: Mince very finely some streaked bacon or tolerably lean ham, a few savory herbs or, failing these, a little parsley; salt and pepper to taste. Mix with the mashed potato in the proportions of three parts vegetable to one of meat; fill some scallop shells with the mixture, put a bit of butter on the top of each and brown in the oven. This makes a pretty breakfast or supper dish served with poached eggs.—*N. Y. Herald.*

Chewing bones, lapping barn boards, eating old leather, whips, bits, woolen clothing, and the manure from grain fed horses, are all indications that the cows want something that they do not find in their regular food, or else that they have lost their appetite, and have a constant craving for an abnormal condition of the digestive organs. A perfectly healthy cow will be fully satisfied with healthful food, such as grass or hay.—*Troy (N. Y.) Times.*

A reader of a city paper writes to the editor: "I have a horse that has lately suffered from periodical dizziness. Please answer through your valuable paper and let me know what to do with him. I'm afraid he will get worse if something is not done soon." The editor puts on his glasses, consults the authorities on blind staggers in horses, and answers as follows: "Our advice, based on a perusal of the valuable book, 'Every man his own horse doctor,' would be to take the horse some time when he is not dizzy and sell him to a stranger."—*Chicago Herald.*

A strange attachment exists between a dog and a cow in Chattanooga, Tenn. The dog will follow her the entire day. If the cow lies down the dog will lie down by her side and remain there till she gets up. He does not allow other cattle to come near her. In the evening he will accompany her home, and guard her during the night, the next morning he is ready to go out with her again. The cow receives his caresses and attentions in the kindest manner, and so far as can be observed the affection seems to be mutual.—*Washington Star.*

How He Doubled His Trade.

Mr. Benj. W. Paton, pharmacist, Globe Village, Mass., says that the miraculous pain cure, St. Jacobs Oil, has greatly helped his other business, and the sales of the remedy have doubled in one month. He keeps a large supply always on hand. Officers of the Army and Navy pronounce St. Jacobs Oil to be the greatest pain-cure of the age.

A KNotty question: What kind of a tie do you wear?

Advice to Consumptives. On the appearance of the first symptoms, as general debility, loss of appetite, pallor, chilly sensations, followed by night sweats and cough, prompt measures of relief should be taken. Consumption is a scrofulous disease of the lungs; therefore use the great anti-scrofulous or blood-purifier and strength-restorer, Dr. Pierce's Golden Medical Discovery. Superior to cod liver oil as a nutritive, and unsurpassed as a pectoral. For weak lungs, spitting of blood, and kindred affections, it has no equal. Sold by druggists. For Dr. Pierce's treatise on Consumption send two stamps. World's Dispensary Medical Association, Buffalo, N. Y.

GREAT deal of slaying on bear ground in Wall street.—*N. Y. News.*

A Special Invitation. We especially invite a trial by all those sufferers from Kidney and Liver complaints who have failed to obtain relief from other remedies and from doctors. Nature's great remedy, Kidney-Wort, has effected cures in many obstinate cases. It acts at once on the Kidneys, Liver and Bowels, cleansing the system of all poisonous humors and restoring a healthy condition of those impaired organs. Do not be discouraged but try it.

A BRUNETTE flirt is like Captain Eads—she is successful with her jet eyes.—*N. O. Picayune.*

SWIFT'S SPECIFIC (S. S. S.) has cured me of hereditary Scrofula of the worst type. The medicine is more than you claim for it, and I hope any who doubt will write to me. E. C. HAWES JR., Clarksville, Ga.

Skinny Men. "Wells' Health Renewer" restores health and vigor, cures Dyspepsia, &c.

A Messenger of Health. Sent free to sufferers from nervous, chronic and blood diseases, brain and heart affections, nervous debility, exhaustion, etc., who have failed to find relief. It tells of wonderful cures effected by Dr. Scott's Coca, Beef and Iron, with Phosphorus. Sold by druggists; \$1. Dr. Scott, Kansas City, Mo. Ask your druggist for pamphlet.

JOURNALISTS are noble men; they always go in for the write.—*Buffalo Express.*

"Woman and Her Diseases" Is the title of a large illustrated treatise, by Dr. R. V. Pierce, Buffalo, N. Y., sent to any address for three stamps. It teaches successful self-treatment.

The thread of a story is generally caught by the eye of the reader.—*Boston Post.*

CATARH. For fifteen years I have been greatly annoyed with this disgusting disease, which caused severe pain in my head, continual dripping into my throat and unpleasant breath. My sense of smell was much impaired. By a thorough use for six months of Ely's Cream Balm I have entirely cured these troubles. J. B. CASE, St. Denis Hotel, Broadway and 11th St., N. Y.

"Buchu-paiha." Quick, complete cure, all annoying Kidney and Urinary Diseases, &c.

It is the man in the mud who sees something in the rain to add mire.—*Detroit Post.*

BROWN'S BRONCHIAL TROCHES for Coughs and Cold: "I do not see how it is possible for a public man to be himself in winter without this admirable aid."—*Rev. R. M. Deems, Pocatello, Mass.*

"Rough on Corns." 15c. Ask for it. Complete cure, hard sores, warts, bunions.

The course of true love often runs smooth until it is wrecked by the wife's misplaced switch.

Ladies, attention! In the Diamond Dyes more coloring is given than in any other dye. It gives faster and more brilliant colors. 10c. at all druggists. Everybody praises them. Wells, Richardson & Co., Burlington, Vt.

"Mother Swan's Worm Syrup," for feverishness, worms, constipation, tasteless. 25c.

"Good-bye, sweet tart," said the small boy to his mother's capacious mouth.—*N. Y. Journal.*

Dairymen Getting Rich. Progressive dairymen who are only satisfied with the best results, are adding to their wealth and conferring a benefit on society, by the rapid improvements they are making in the art of butter making. This class use Wells, Richardson & Co.'s Improved Butter Color, and know by actual test that it fills every claim made for it.

FASHION NOTE.—Brokers' "circulars" are lined with lamb's wool.—*N. Y. Mail.*

"Sign No More, Ladies!" For Dr. Pierce's "Favorite Prescription" is prompt and certain remedy for the painful disorders peculiar to your sex. By all druggists.

THE MARKETS.

NEW YORK, December 31, 1883.			
CATTLE—Exports.	5 50	67 00	
COTTON—Middling.	40	10 1/2	
FLOUR—Good to Choice.	40	6 1/2	
WHEAT—No. 2 Red.	1 13 1/4	1 16	
CORN—No. 3 Red.	1 08	84 1/2	
OATS—Western Mixed.	40	41	
PORK—New Mess.	14 15	15 1/2	
ST. LOUIS.			
COTTON—Middling.	6 30	87	0 1/2
BEEVES—Exports.	5 50	5 75	
Fair to Good.	5 50	5 50	
Grass Texans.	5 50	5 00	
HOGS—Common to Select.	2 00	5 1/2	
SHEEP—Fair to Choice.	3 00	4 50	
FLOUR—XXX to Choice.	3 35	5 00	
WHEAT—No. 2 Winter.	1 00	0 13	
No. 3.	94	95	
CORN—No. 2 Mixed.	46 1/2	47 1/2	
OATS—No. 2.	5 00	9 1/2	
RYE—No. 2.	54 1/2	55	
TOBACCO—Lugs.	5 50	9 00	
Medium Leaf.	5 50	9 00	
HAY—Choice Timothy.	11 00	12 50	
BUTTER—Choice Dairy.	24	28	
BROOM-CORN—Prime.	4 1/2	6	
EUGS—Choice.	14 00	18	
PORK—New Mess.	14 00	15 1/2	
BACON—Clear Rib.	5 00	8 1/2	
LARD—Prime Steam.	31	38	
WOOL—Tub washed, medium.	24	24 1/2	
Unwashed.	24	24 1/2	
CHICAGO.			
CATTLE—Native Cows.	4 00	5 1/2	
HOGS—Good to Choice.	5 50	5 1/2	
SHEEP—Fair to Choice.	4 00	5 1/2	
FLOUR—Winter.	5 00	7 1/2	
Spring.	4 50	5 1/2	
WHEAT—No. 2 Spring.	1 00	1 1/2	
No. 2 Red.	1 00	1 1/2	
CORN—No. 2.	60 00	60 1/2	
OATS—No. 2.	5 00	9 1/2	
PORK—New Mess.	13 00	15 1/2	
KANSAS CITY.			
CATTLE—Exports.	6 00	6 00	
HOGS—Good to Choice.	5 50	5 1/2	
SHEEP—Fair to Choice.	4 00	5 1/2	
FLOUR—Winter.	5 00	7 1/2	
Spring.	4 50	5 1/2	
WHEAT—No. 2 Spring.	1 00	1 1/2	
No. 2 Red.	1 00	1 1/2	
CORN—No. 2.	60 00	60 1/2	
OATS—No. 2.	5 00	9 1/2	
PORK—New Mess.	13 00	15 1/2	